## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## INEXPENSIVE RELIABLE COMPUTER STORAGE VIA HETEROGENEOUS ARCHITECTURE AND A STAGED STORAGE POLICY

the specification of which (che	ck one)		
X is attached hereto.			
was filed on as	United States Application Numb	er	
or PCT International Ap	oplication Number		
and was amended on	(if applic	able)	
I hereby state that I have revi the claims, as amended by any a	ewed and understand the conter amendment referred to above.	nts of the above identified sp	ecification, including
	lose information which is mater of Pederal Regulations, Section		his application in
foreign application(s) for pate which designated at least one of by checking the box, any foreic	y benefits under Title 35, Unit ent or inventor's certificate, country other than the United S gn application for patent or in ate before that of the applicat	or §365(a) of any PCT Interna States, listed below and have nventor's certificate, or PCT	tional application also identified below, International
Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	YesNo
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit under	er 35 U.S.C. §119(e) of any Un	ited States provisional applic	ation(s) listed below.
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)		
of the claims of this applicat in the manner provided by the	er 35 U.S.C. §120 of any Unite gnating the United States, lis ion is not disclosed in the pr first paragraph of 35 U.S.C. § of this application as defined	ior United States, or PCT Inte 112. I acknowledge the duty to	rnational application disclose information
date of the prior application	of this application as defined and the national or PCT intern	ational filing date of this ap	oplication:
(Application Serial No.)	(Filing Date)	(Status) (patented, per	nding, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, per	nding, abandoned)
information and belief are bel	ements made herein of my own k ieved to be true; and further and the like so made are punis e United States Code and that	that these statements were mad hable by fine or imprisonment,	le with the knowledge or both, under

of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Richard M. Ludwin (Reg. 33,010), Kevin M. Jordan (Reg. 40,277), Christopher A. Hughes (Reg. 26,914), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. 31,596), Wan Yee Cheung (Reg. 42,410), Thu Ann Dang (Reg. 41,544), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 41,473), Stephen C. Kaufman (Reg. 29, 551), Daniel P. Morris (Reg. 32,053), Alison D. Mortinger (Reg. 39,306), Louis J. Percello (Reg. 33,206), Robert M. Trepp (Reg. 25,933), Gail H. Zarick (Reg. 43,303), Rafael Perez-Pineiro (Reg. 46,041), Suzanne Erez (Reg. 46,688).

CLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
Send Correspondence to: Stephen C. Kaufman. Intellectual Property Law Dept.
IBM Corporation, P.O. Box 218, Yorktown Heights, New York 10598
Direct Telephone Calls to: (name and telephone number) Stephen C, Kaufman (914) 945-3197
MELAMENT Alex Full name of first inventor  27 10/03  Inventor's Signature
18/16 Hagalil, Kiryat Bialik, 27019, Israel Residence
Israel Citizenship
IBM Labs, Haifa University, Mount Carmel, Haifa 31905, Israel Post Office Address
ROYTMAN Alexey Full name of Second joint-inventor  27/0/02 Inventor's signature
12/3 Ortal St., Yokneam, 20692, Israel Residence
Israel Citizenship
IBM Labs, Haifa University, Mount Carmel, Haifa 31905, Israel Post Office Address
SHACHOR Gal Full name of third joint-inventor
Date Inventor's signature
42/1 Hachermon St., Yokneam, 20692, Israel Residence
Israel Citizenship
IBM Labs, Haifa University, Mount Carmel, Haifa 31905, Israel

Post Office Address

SHANI Uri

Full name of fourth joint-inventor

27/10/2003

\_Inventor's signature

House No. 71, Givat Adi, 17940, Israel

Residence

Israel Citizenship

IBM Labs, Haifa University, Mount Carmel, Haifa 31905, Israel Post Office Address